ABSTRACT OF THE DISCLOSURE

A path search circuit simultaneously performs antenna directivity control and a path search. A weighting controller controls weighting coefficients to establish an antenna directivity in a plurality of directions in which a party to communicate with is possibly present, when a communication session starts. A weighted-mean-value processor calculates delay profiles for the respective antenna directivities. A correlation peak detector detects a peak from the calculated delay profiles for thereby carrying out general antenna directivity control and a path search. At the time of starting the communication session when the direction of a mobile terminal is unknown, a path search can be conducted using a signal with a Eb/Io increased by an antenna gain for increased path search accuracy.